

ações

mundo

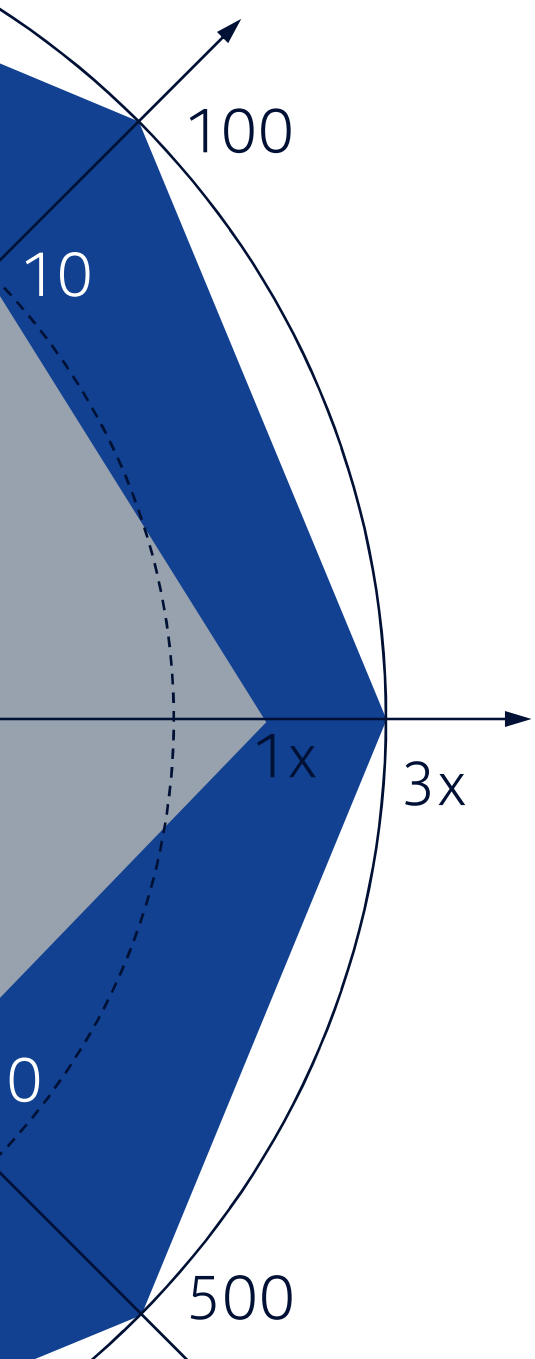


verizon^v

SK



User Experienced
Data Rate (Mbps)



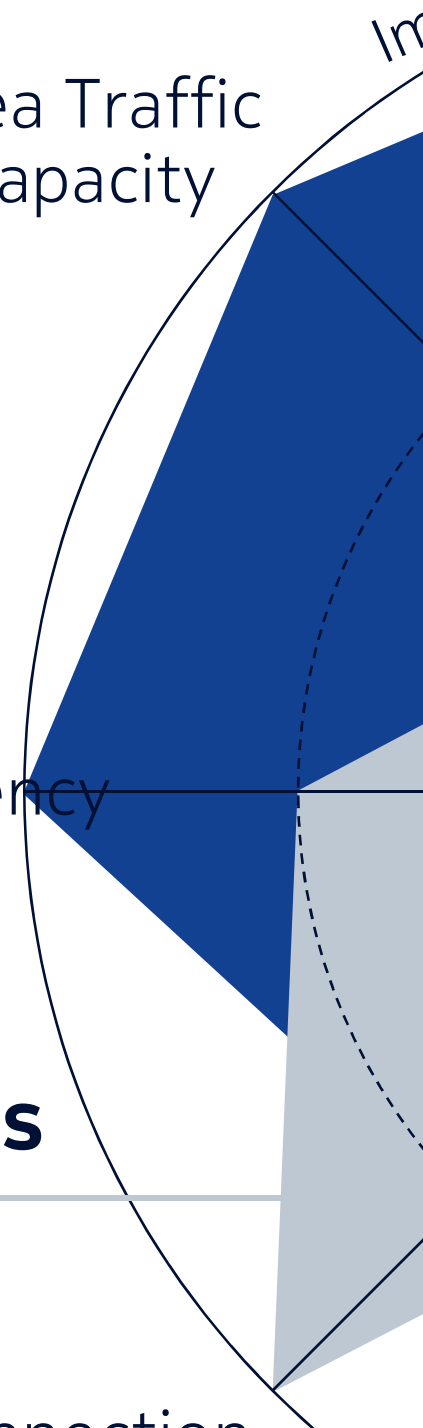
Spectrum
Efficiency

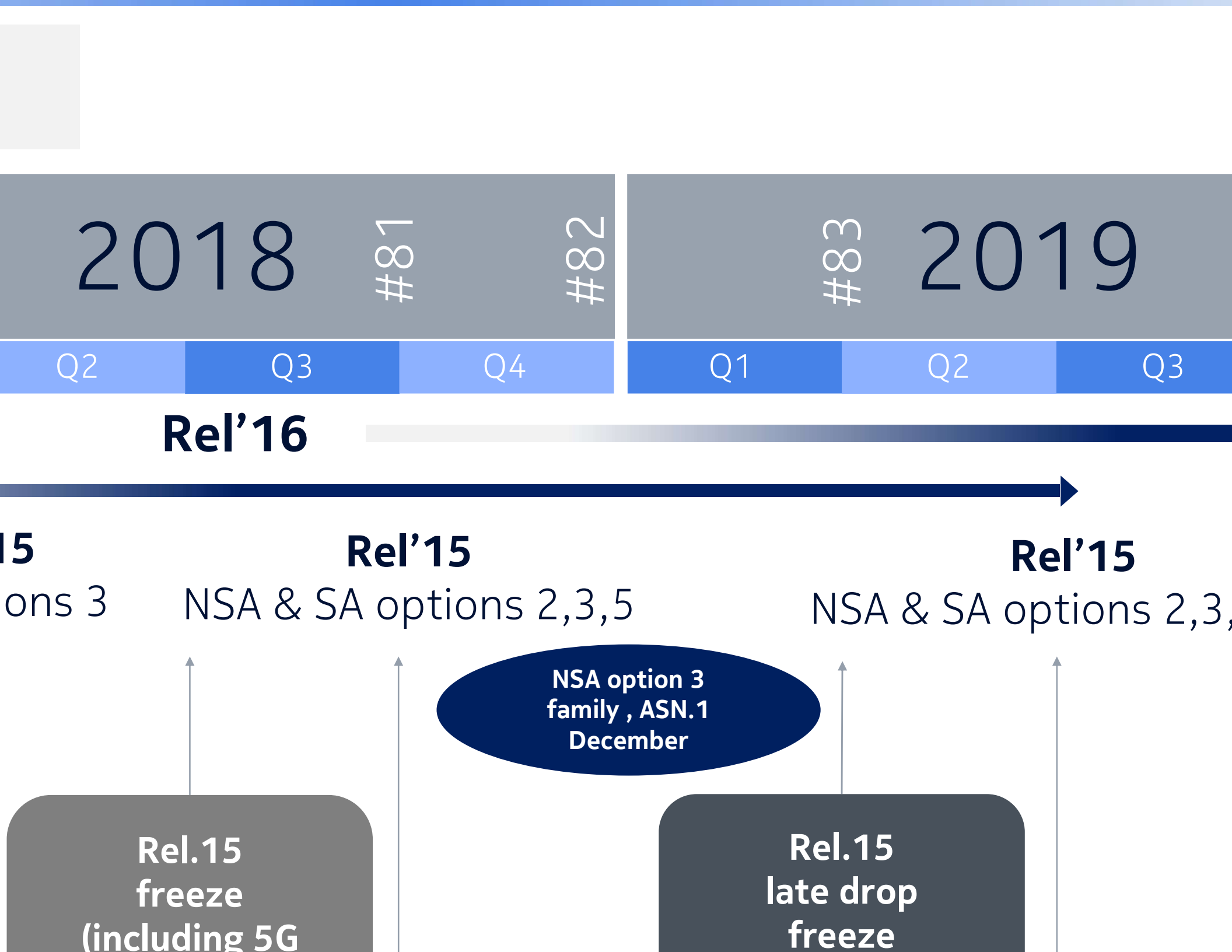
Massive Machine Type Communications

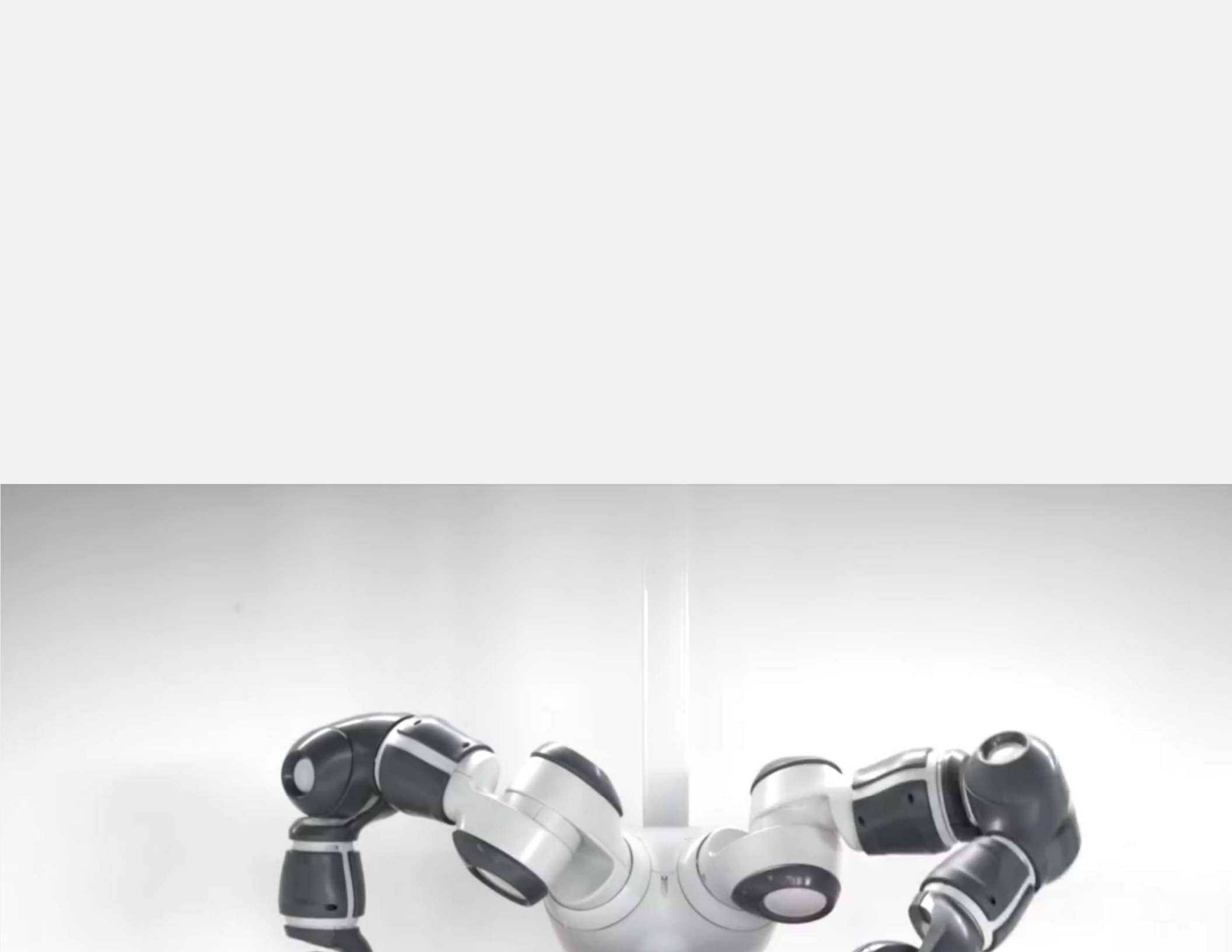
Area Traffic
Capacity

Energy Efficiency

Connection







A background image of a city skyline, likely Hong Kong, with numerous skyscrapers. A large, solid blue arrow points from the left side of the image towards the right, partially obscuring the city view. The text is overlaid on the right side of the image, with the quote in a large, bold, dark blue font and the name in a smaller, dark blue font below it.

**“Productivity isn’t everything
it is almost everything”**

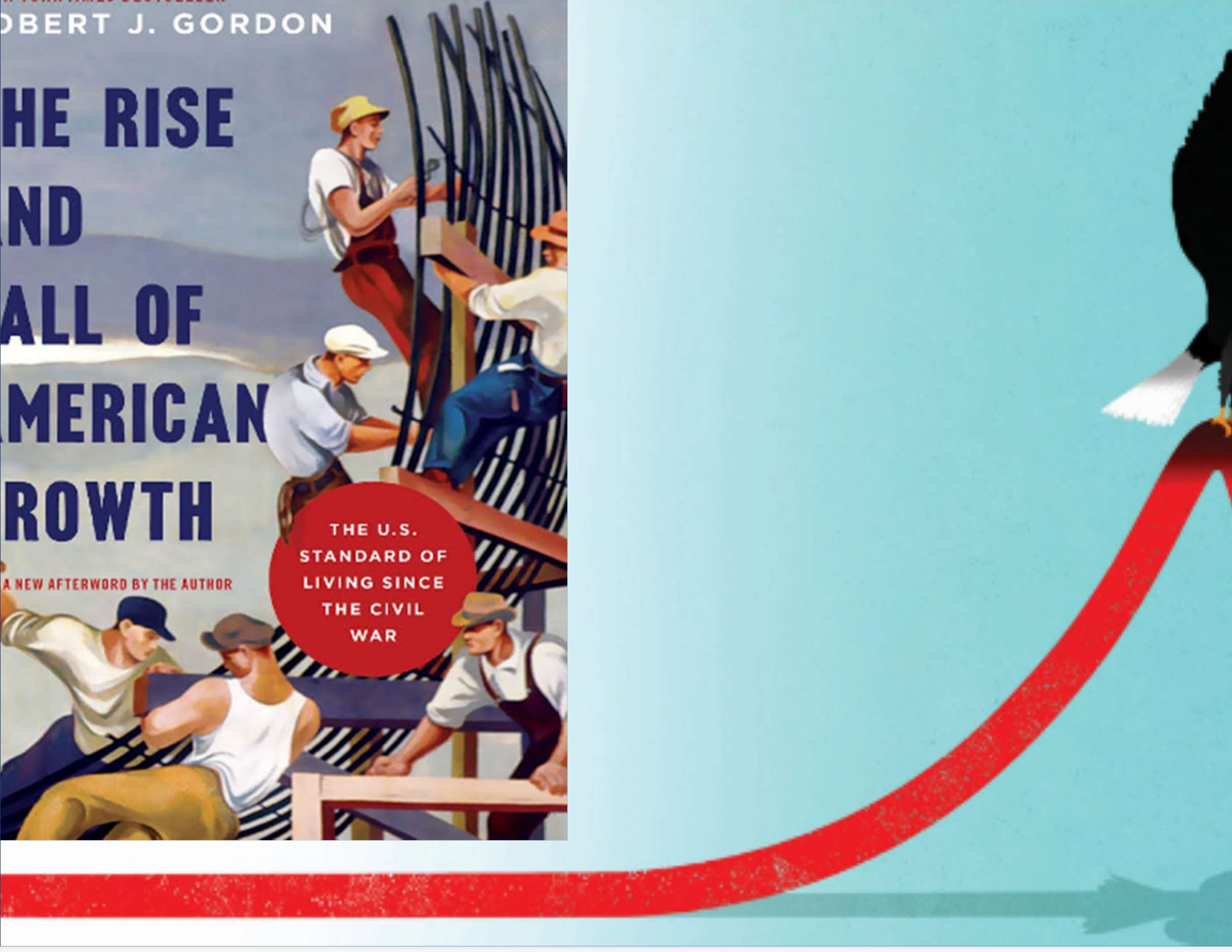
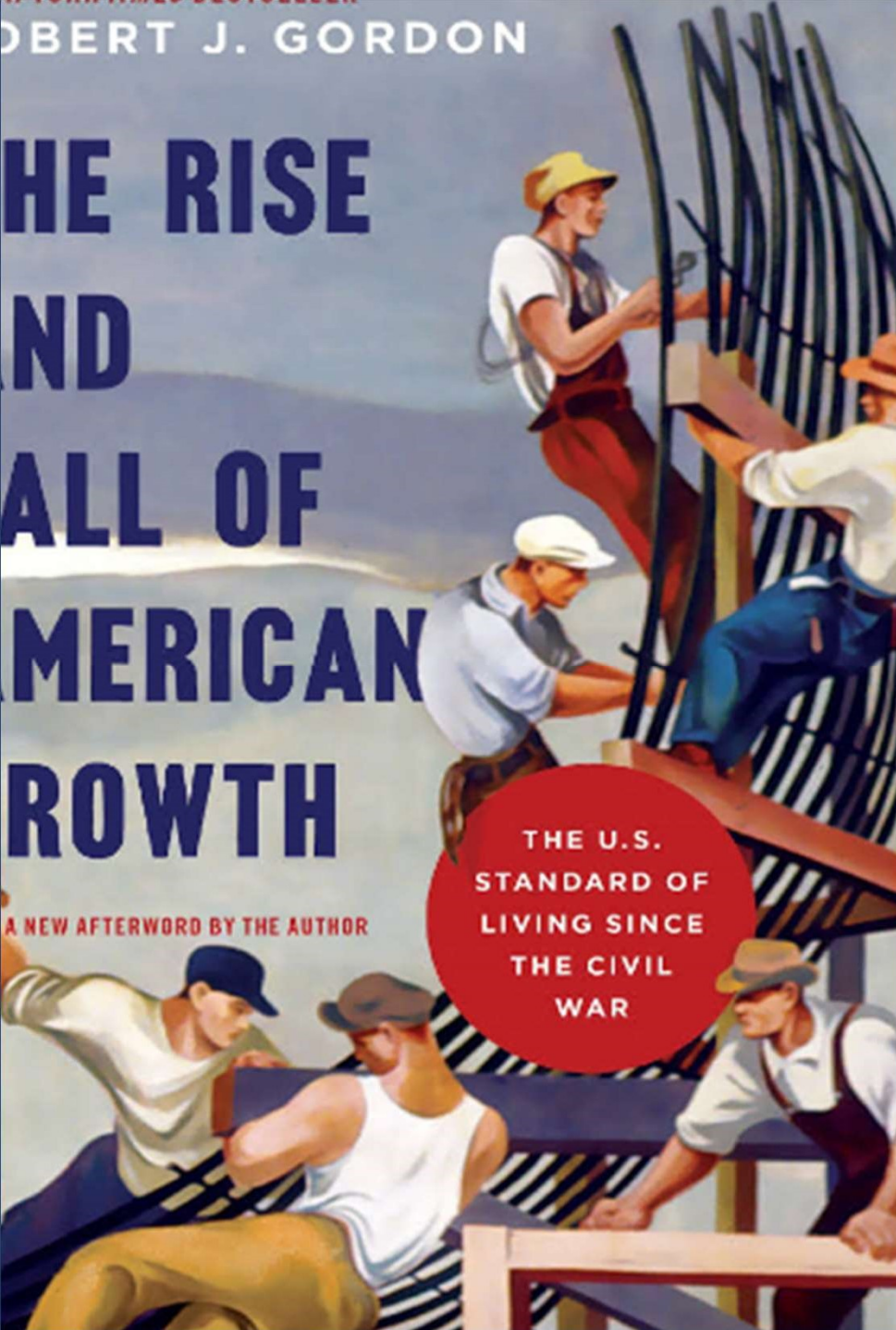
Paul Krugman

ROBERT J. GORDON

THE RISE AND FALL OF AMERICAN GROWTH

A NEW AFTERWORD BY THE AUTHOR

THE U.S.
STANDARD OF
LIVING SINCE
THE CIVIL
WAR





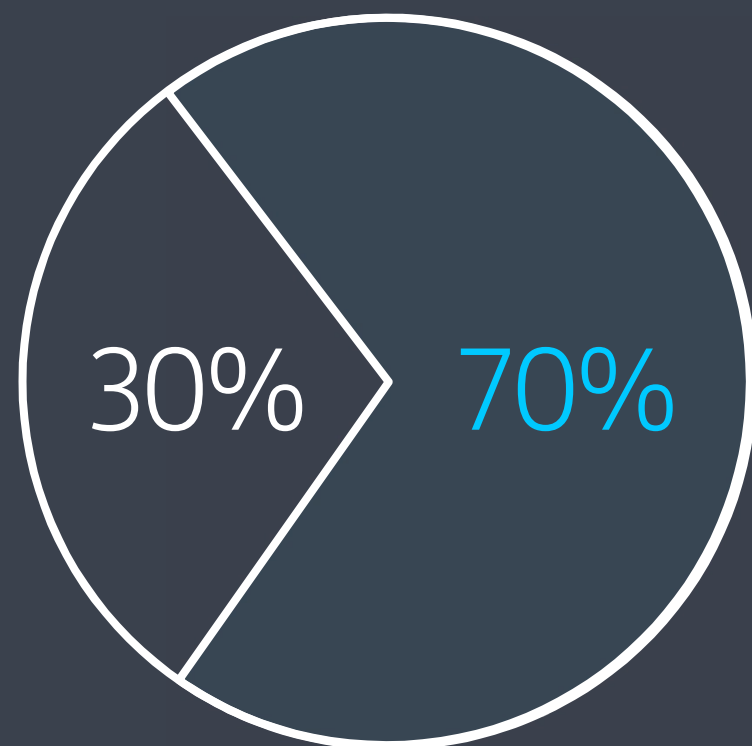
idade dos EUA

RA DA INFORMAÇÃO E COMUNICAÇÃO

P



Investimento em TICs



So



Consumidores:

Smartphones

Nuvens centralizadas

Redes sociais e E-commerce

Internet das Coisas (IoT)

ICT

Disponibilidade

Carrier-gra

Tecnologias

Uso e
padron

Serviços

Serviços de
informação e

**taxa de mudança
tecnológica**

Rápida (meses até
anos)



Caso de uso		Disponibilidade
Controle de Movimentos	Impressoras	>6 x
	Ferramentas	>6 x
	Empacotadoras	>6 x
Mobile robots	Controle de movimento cooperativo	>6 x
	Controle remoto operado por video	>6 x
Painéis de controle móvel com funções de segurança	Robos de montagem	>6 x
	Mobile cranes	>6 x

Largura de banda

10Gbps

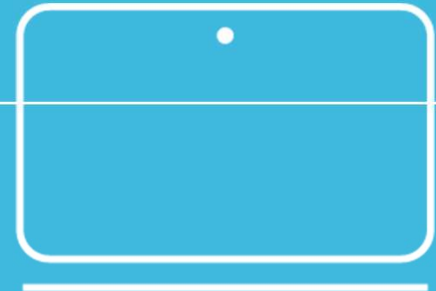
360 Video



50

100Mbps

1Mbps



10kbps

Pessoas e Coisas

% de BT a \$11T

Valor econômico
de IoT
(2025)

Fonte: McKinsey



A photograph of an industrial robotic arm, painted orange, positioned in a factory. The arm is reaching towards a blue metal frame. In the background, there is a conveyor belt system with several metal rollers. The scene is lit with bright, industrial lighting. A large, dark blue diagonal shape is overlaid on the left side of the image. The text 'Fonte: McKinsey' is visible in the upper right and lower right areas.

Fonte: McKinsey

Fonte: McKinsey

O

